

SEQUENCE LISTING |

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Dhara Vegetable Oil and Foods Company Limited
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Jagannath, Arun |
Gupta, Vibha |
Burma, Pradeep Kumar
Pental, Deepak

<120> A METHOD FOR OBTAINING IMPROVED FERTILITY RESTORER LINES IN MALE STERILE CROP PLANTS FOR HYBRID SEED PRODUCTION AND A DNA CONSTRUCT FOR USE IN SAID METHOD

<130> HSM-DU-AJ |

<160> 18 |

<170> PatentIn version 3.1

<210> 1 |

<211> 273

<212> DNA

<213> Bacillus amyloliquefaciens

<400> 1 |

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tgtctgaccg gatgggtcga gtacccgctc gttttggaat ggaggcagtt tgaacaaagc	180
aagcagctga ctgaaaatgg cgccgagagt gtgcttcagg ttttccgtga agcgaaagcg	240
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<212> PRT

<213> Bacillus amyloliquefaciens

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Leu His Gln Thr Leu Lys Lys Glu Leu Ala Leu Pro Glu Tyr Tyr Gly	
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Glu Asn Leu Asp Ala Leu Trp Asp Cys Leu Thr Gly Trp Val Glu Tyr	
35 40 45	

Pro Leu Val Leu Glu Trp Arg Gln Phe Glu Gln Ser Lys Gln Leu Thr	
50 55 60	

Glu Asn Gly Ala Glu Ser Val Leu Gln Val Phe Arg Glu Ala Lys Ala |
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Glu Gly Cys Asp Ile Thr Ile Ile Leu Ser |
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<210> 3 |

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<212> DNA

<213> Artificial sequence

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<223> This sequence was artificially generated from a wild type barstar gene |

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 tgtcttactg gatgggttga gtacctctt gttttggaat ggaggcaatt cgagcaatct 180
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<213> Bacillus amyloliquefaciens

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Met Lys Lys Ala Val Ile Asn Gly Glu Gln Ile Arg Ser Ile Ser Asp
 1 5 10 15

Leu His Gln Thr Leu Lys Lys Glu Leu Ala Leu Pro Glu Tyr Tyr Gly
 20 25 30

Glu Asn Leu Asp Ala Leu Trp Asp Cys Leu Thr Gly Trp Val Glu Tyr
 35 40 45

Pro Leu Val Leu Glu Trp Arg Gln Phe Glu Gln Ser Lys Gln Leu Thr
 50 55 60

Glu Asn Gly Ala Glu Ser Val Leu Gln Val Phe Arg Glu Ala Lys Ala
 65 70 75 80

Glu Gly Cys Asp Ile Thr Ile Ile Leu Ser |

85

90 |

<210> 5 |
 <211> 84
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<220> |
 <223> This oligo was synthetically generated |

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 <211> 84
 <212> DNA
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<220> |
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 <212> DNA
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<212> DNA
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<220> |
<223> This forward primer was synthetically generated

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<210> 10
<211> 29
<212> DNA
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<223> This reverse primer was synthetically generated

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<210> 11
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<210> 12
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<210> 17

<211> 24

<212> DNA

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<210> 18

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> This reverse primer for the modified barstar gene was synthetically generated

<400> 18

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29